

REINFORCED COMPOSITE PIPE
ABSTRACT OF THE DISCLOSURE

A method of forming a reinforced urethane product having a urethane wear layer and an integral reinforcing member. A reinforcing member is formed from a woven fiber material that has a shape generally corresponding to the desired urethane product, such as a composite urethane pipe. The reinforcing member is initially stiffened through application of a sizing compound. Once stiffened, the reinforcing member is inserted into a mold and a supply of urethane is forced outward toward the inner wall of the mold cavity such that the urethane penetrates into the woven fibers of the reinforcing member. The urethane is cured in the mold and the completed reinforced urethane product is removed from the mold for use. The liquid urethane is preferably forced outward within the mold through application of either a centrifugal force or the application of positive pressure.